# BRUHAT BANGALORE MAHANAGARA PALIKE
## YELAHANKA ZONE

**Estimate Cost Rs.** 2000000.00

**Name of Work:** Providing and fixing new accessories to existing borewells in ward No. 06 Byatarayanapura Sub Division

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings | No | | | | | | | |
| | For Motor 10 HP 20 Stage XLI, Sl No. 29 | | 2 | | | | **2.00** | 49955.00 | **99910.00** |
| | For Motor 12.5HP 25 Stage XLI, SL No.35 | | 3 | | | | **3.00** | 56414.00 | **169242.00** |
| | For Motor 15 HP 30 Stage XLII, SL NO. 43 | No | 5 | | | | **5.00** | 63498.00 | **317490.00** |
| | For Motor 17.50 HP 35 Stage XLII, SL NO. 49 | No | 5 | | | | **5.00** | 73861.00 | **369305.00** |
| 2 | Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter (MR) | No. | | | | | | | |
| | | | 2 | | | | **2** | 14800.00 | **29600.00** |
| 3 | Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 Volts. P. No. 49/ I No. 29-b(1) **4 Sqm mm of 56 strands 0.3mm dia Group - A KPWD Electrical SR 2010-11** | Mtr | | | | | | | |
| | | | 1 | 1000.00 | | | **1000.00** | 185.00 | **185000.00** |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 4 | Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc,. complete box of 21600 sq cm (P.NO-530, I.NO-39 b, BWSSB SR 13-14) | Sqm | | | | | | | |
| | | | 10 | 1100.00 | 20.00 | | **220000.00** | 0.34 | **74778.00** |
| | Basic Rate | 0.33 | | | | | | | |
| | 3% area weightage | 0.01 | | | | | | | |
| | **Total** | **0.34** | | | | | | | |
| 5 | Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as required, 40 to 63 Amps DP (P.NO - 526, I.NO - 13D (a), BWSSB SR 13-14) | No's | | | | | | | |
| | | | 10 | 1.00 | | | **10.00** | 906.40 | **9064.00** |
| | Basic Rate | 880 | | | | | | | |
| | 3% area weightage | 26.40 | | | | | | | |
| | Total | 906.40 | | | | | | | |
| 6 | Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete.... **P No. 32/I No 3b KPWD Electrical SR 2010-11** | No. | | | | | | | |
| | 63 Amps | | 10 | 3.00 | | | **30.00** | 150 | **4500.00** |
| 7 | Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable ( confirming to IS 1554) (P.NO - 553, I.NO - 10 (d), BWSSB SR 13-14) | Mtr | | | | | | | |
| | For Additional UG Cable | | 1 | 100.00 | | | **100.00** | 169.95 | **16995.00** |
| | Basic Rate | 165 | | | | | | | |
| | 3% area weightage | 4.95 | | | | | | | |
| | Total | 169.95 | | | | | | | |
| 8 | KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 143/ Item No. 19.1/ PWD SR 2018-19 | Cum | | | | | | | |
| | | | 1 | 990.00 | 0.60 | 0.75 | 445.50 | | |
| | | | | | | | **445.50** | 137.80 | **61390.00** |
| | Basic Rate | 130.00 | | | | | | | |
| | 6% area weightage | 7.80 | | | | | | | |

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| | Total | 137.80 | | | | | | | |
| 9 | Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete (P.NO - 94, I.NO - 13.73.2, PWD SR 18-19 | Mtr | | | | | | | |
| | | | 1 | 990.00 | | | 990.00 | | |
| | | | | | | | **990.00** | 394.32 | **390377.00** |
| | Basic Rate | 372.00 | | | | | | | |
| | 6% area weightage | 22.32 | | | | | | | |
| | Total | 394.32 | | | | | | | |
| 10 | Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.NO - 7, I.NO - 2.11, PWD SR 18-19) | Cum | | | | | | | |
| | | | 1 | 990.00 | 0.60 | 0.75 | 445.50 | | |
| | | | | | | | **445.50** | 128.26 | **57140.00** |
| | Basic Rate | 121.00 | | | | | | | |
| | 6% area weightage | 7.26 | | | | | | | |
| | Total | 128.26 | | | | | | | |
| | | | | | | | | | **1784791.00** |
| 11 | For 12% Applicable GST | | | | | | | | **214175.00** |
| 13 | Miscellaneous and Unforeseen Charges | L/S | | | | | | | **1034.00** |
| | | | | | | | | Total | **2000000.00** |

**CERTIFICATE:**

1 The work spot has been inspected and the work is found necessary.

2 This estimate is prepared as per C.S.R. of PWD Elecrical 2010-11, PRED 2012-13 & SE-RDED and PWD SR 2018-19 approved Rate.

3 The provisions were made in this estimate are necessary and adequate.

4 This works come under B.B.M.P. limits.

Assistant Engineer

Executive Engineer
Byatarayanapura Division

Assistant Executive Engineer
Byatarayanapura Sub Division

**Administrative Approval**
Accorded For Rs. 20.00 lakhs
Head of A/C 3293
CER NO : AS/174/18-19 Dt: 09.01.2019

TA

CE (YNK)

**TECHNICAL SANCTION**
Accorded For Rs. Twenty lakhs only
Head of A/c. P-3293
Div. Ref. No. 116/18-19 Date. 21/02/19

AE 21/02

EE(BTP) 21/02